

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	127	((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not ((((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) )	US- PGPUB; USPAT

	Time Stamp	Comments	Error Definition	Errors
1	2006/11/22 19:55			

	Type	L #	Hits	Search Text	DBs
2	BRS	L2	127	((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not ((((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) )	US- PGPUB; USPAT; EPO; JPO

	Time Stamp	Comments	Error Definition	Errors
2	2006/11/22 19:56			

	Type	Hits	Search Text
1	BRS	0	'10/028419'
2	BRS	0	'10028419'
3	BRS	0	"10028419"
4	BRS	0	"10/028419"
5	BRS	1514	grating same diffract\$4 same integrat\$4
6	BRS	30190	"385"/\$.ccls.
7	BRS	412	(grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.
8	BRS	6485	grating near12 (reflect\$5 mirror\$1) same beam\$1
9	BRS	95664	(reflect\$5 mirror\$1) near9 (film\$3 coat\$4)
10	BRS	154	((grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)
11	BRS	49	((grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((reflect\$5 mirror\$1) near9 (film\$3 coat\$4))
12	BRS	4	((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((reflect\$5 mirror\$1) near9 (film\$3 coat\$4))
13	BRS	49	((grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((reflect\$5 mirror\$1) near9 (film\$3 coat\$4))
14	BRS	609	((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)

	<b>DBs</b>	<b>Time Stamp</b>
<b>1</b>	US-PGPUB; USPAT	2006/11/22 15:47
<b>2</b>	US-PGPUB; USPAT	2004/06/16 19:29
<b>3</b>	US-PGPUB; USPAT	2004/06/16 19:29
<b>4</b>	US-PGPUB; USPAT	2004/06/16 19:29
<b>5</b>	US-PGPUB; USPAT	2004/06/17 11:20
<b>6</b>	US-PGPUB; USPAT	2004/06/17 11:20
<b>7</b>	US-PGPUB; USPAT	2004/06/17 11:21
<b>8</b>	US-PGPUB; USPAT	2004/06/17 11:23
<b>9</b>	US-PGPUB; USPAT	2004/06/17 12:03
<b>10</b>	US-PGPUB; USPAT	2004/06/17 15:45
<b>11</b>	US-PGPUB; USPAT	2004/06/17 12:13
<b>12</b>	EPO; JPO; DERWENT	2004/06/17 12:10
<b>13</b>	US-PGPUB; USPAT	2004/06/17 12:14
<b>14</b>	US-PGPUB; USPAT	2004/06/17 13:45

	Type	Hits	Search Text
15	BRS	102	((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1))
16	BRS	84	((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1))) not (((grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((reflect\$5 mirror\$1) near9 (film\$3 coat\$4)) )
17	BRS	0	((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1))
18	BRS	3651	grating\$1 near7 (glass transpaernt transmissive transmissive silicon)
19	BRS	7983	(normal side section front back enter\$4) near4 grating\$1
20	BRS	4833	((grating same diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)
21	BRS	2644	((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating same diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))
22	BRS	4131	((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)

	DBs	Time Stamp
15	US-PGPUB; USPAT	2004/06/17 15:49
16	US-PGPUB; USPAT	2006/06/01 13:41
17	EPO; JPO; DERWENT	2004/06/17 15:39
18	US-PGPUB; USPAT	2004/06/17 15:43
19	US-PGPUB; USPAT	2004/06/17 15:45
20	US-PGPUB; USPAT	2004/06/17 15:47
21	US-PGPUB; USPAT	2004/06/17 15:47
22	US-PGPUB; USPAT	2004/06/17 15:47



	Type	Hits	Search Text
23	BRS	2270	((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))
24	BRS	155	((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4
25	BRS	102	((((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1))
26	BRS	75	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) )
27	BRS	6	("6275630" "6563977" "6108471" "6583934" "5044718" "6236780").pn.
28	BRS	6	((("6275630" "6563977" "6108471" "6583934" "5044718" "6236780").pn.) and (integrat\$5 IC chip\$1)

	DBs	Time Stamp
23	US-PGPUB; USPAT	2004/06/17 15:47
24	US-PGPUB; USPAT	2004/06/17 15:49
25	US-PGPUB; USPAT	2004/06/17 15:50
26	US-PGPUB; USPAT	2006/11/22 19:17
27	US-PGPUB; USPAT	2004/06/17 18:25
28	US-PGPUB; USPAT	2004/06/17 18:26

	Type	Hits	Search Text
29	BRS	6	((("6275630" "6563977" "6108471" "6583934" "5044718" "6236780").pn.) and (integrat\$5 IC chip\$1 structur\$2 hous\$4 single)
30	BRS	6	((("6275630" "6563977" "6108471" "6583934" "5044718" "6236780").pn.) and (fiber\$1 waveguide\$1) with (ferrul\$2 hous\$4 fit\$\$ stop\$4 align\$5)
31	BRS	6	((("6275630" "6563977" "6108471" "6583934" "5044718" "6236780").pn.) and (fiber\$1 waveguide\$1) with (barrel\$3 ferrul\$2 hous\$4 fit\$4 stop\$4 align\$5)
32	BRS	1	"6583934".pn. and (WDM dispers\$5 wavelengths) and grating\$1
33	BRS	1	"6583934".pn. and (WDM dispers\$5 wavelengths) same grating\$1
34	BRS	1	"6275630".pn.
35	BRS	1	"6583934".pn. and (WDM dispers\$5 wavelengths diffract\$4) same grating\$1
36	BRS	1	"6583934".pn. and (WDM dispers\$5 wavelengths diffracting diffracted) same grating\$1
37	BRS	1	"6583934".pn. and (WDM dispers\$5 wavelengths diffracting diffracted) same grating\$1 same (angl\$2 angul\$5)
38	BRS	1	"6583934".pn.
39	BRS	1	S1 and (hous\$5 support\$5 align\$5)
40	BRS	1	S1 and (hous\$5 support\$5 align\$5 relief\$5 reliev\$5 relif\$5 position\$4)
41	BRS	1	S1 and (hous\$5 support\$5 align\$5 relief\$5 reliev\$5 relif\$5 position\$4 wall\$3)
42	BRS	1	S1 and (coat\$4 film\$3 layer\$1)
43	BRS	1	S1 and (film\$3 layer\$1)
44	BRS	1	S1 and (film\$3 layer\$1)

	DBs	Time Stamp
29	US-PGPUB; USPAT	2004/06/17 19:22
30	US-PGPUB; USPAT	2004/06/17 19:23
31	US-PGPUB; USPAT	2004/06/21 18:24
32	US-PGPUB; USPAT	2004/06/21 18:27
33	US-PGPUB; USPAT	2004/06/21 18:32
34	US-PGPUB; USPAT	2004/06/21 18:30
35	US-PGPUB; USPAT	2004/06/21 18:33
36	US-PGPUB; USPAT	2004/06/21 18:35
37	US-PGPUB; USPAT	2004/06/21 18:36
38	US-PGPUB; USPAT	2004/12/14 16:53
39	US-PGPUB; USPAT	2004/06/22 13:21
40	US-PGPUB; USPAT	2004/06/22 13:27
41	US-PGPUB; USPAT	2004/06/22 15:04
42	US-PGPUB; USPAT	2004/06/22 15:05
43	US-PGPUB; USPAT	2004/06/22 15:06
44	US-PGPUB; USPAT	2004/06/22 15:07

	Type	Hits	Search Text
45	BRS	1	S1 and (film\$3 coat\$4)
46	BRS	1	'10/050572'
47	BRS	0	S9 and ((therm\$5 heat\$5) same oxi\$6)
48	BRS	1	S9 and (therm\$5 heat\$5 oxi\$6)
49	BRS	0	"200201226651"
50	BRS	0	"2002/01226651"
51	BRS	0	"2002/0122651"
52	BRS	1	"20020122651"
53	BRS	1	"6583934".pn.
54	BRS	1	"6583934".pn.
55	BRS	1	S68 and (lens\$2 focus\$4)
56	BRS	1	"6583934".pn.
57	BRS	1	S71 and align\$5
58	BRS	1	'10/028419'
59	BRS	1	S73 and align\$5

	<b>DBs</b>	<b>Time Stamp</b>
45	US-PGPUB; USPAT	2004/06/22 17:02
46	US-PGPUB; USPAT	2004/06/22 17:02
47	US-PGPUB; USPAT	2004/06/22 17:08
48	US-PGPUB; USPAT	2004/06/22 17:06
49	US-PGPUB; USPAT	2004/06/22 17:07
50	US-PGPUB; USPAT	2004/06/22 17:07
51	US-PGPUB; USPAT	2004/06/22 17:07
52	US-PGPUB; USPAT	2004/06/22 17:07
53	US-PGPUB; USPAT	2004/12/15 10:48
54	US-PGPUB; USPAT	2005/06/07 11:39
55	US-PGPUB; USPAT	2004/12/15 14:15
56	US-PGPUB; USPAT	2004/12/15 14:16
57	US-PGPUB; USPAT	2004/12/15 14:18
58	US-PGPUB; USPAT	2004/12/15 14:18
59	US-PGPUB; USPAT	2004/12/15 14:18

	Type	Hits	Search Text
60	BRS	90	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
61	BRS	1	S76 AND (ALIGN\$5 MOLD\$4)
62	BRS	98	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
63	BRS	4	S78 and mold\$4
64	BRS	0	S76 and (mems micro\$5 microelect\$6)
65	BRS	1	'10/028419'
66	BRS	71	S78 and total
67	BRS	13	S78 and plastic\$3
68	BRS	13	S78 and plastic\$3

	DBs	Time Stamp
60	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/12/15 16:28
61	US-PGPUB; USPAT	2005/06/07 10:53
62	US-PGPUB; USPAT	2005/06/07 11:03
63	US-PGPUB; USPAT	2005/06/07 11:03
64	US-PGPUB; USPAT	2005/06/07 11:18
65	US-PGPUB; USPAT	2005/06/07 11:19
66	US-PGPUB; USPAT	2005/06/07 11:19
67	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/07 11:29
68	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/07 11:29



	Type	Hits	Search Text
69	BRS	1	"6583934".pn.
70	BRS	1	S84 and (mass\$3 alignm\$4 product\$4)
71	BRS	98	(((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
72	BRS	98	(((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
73	BRS	4	S87 and mold\$5

	DBs	Time Stamp
69	US-PGPUB; USPAT	2005/11/23 12:24
70	US-PGPUB; USPAT	2005/06/07 11:39
71	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/07 17:20
72	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/07 17:22
73	US-PGPUB; USPAT	2005/06/08 11:00

	Type	Hits	Search Text
74	BRS	98	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
75	BRS	4	S89 and mold\$4
76	BRS	2	"20030067645".pn.
77	BRS	1	S91 and (mold\$4 same grating\$3).
78	BRS	1	"6583934".pn.
79	BRS	107	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))

	DBs	Time Stamp
74	US-PGPUB; USPAT; USOCR; EPO; JPO	2006/06/01 13:41
75	US-PGPUB; USPAT	2005/06/08 12:12
76	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/08 12:13
77	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/06/08 12:13
78	US-PGPUB; USPAT	2006/11/22 15:53
79	US-PGPUB; USPAT; USOCR; EPO; JPO	2005/11/23 13:58

	Type	Hits	Search Text
80	BRS	113	(((((grating\$1 near7 (glass transpaernt transmissive transmissive silicon)) ((normal side section front back enter\$4) near4 grating\$1)) and (((grating near1 diffract\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1))) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)) and integrat\$4) not (((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1)))
81	BRS	107	(((((grating same diffract\$4 same integrat\$4)) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((DWDM WDM) same grating\$1) and (grating\$1 same (fiber\$1 waveguide\$1))) not (((grating same diffract\$4 same integrat\$4) and "385"/\$.ccls.) and (grating near12 (reflect\$5 mirror\$1) same beam\$1)) and ((reflect\$5 mirror\$1) near9 (film\$3 coat\$4)) )
82	BRS	1	10/028419
83	BRS	1	S97 and grating\$1
84	BRS	1	S99 and grating\$2 near5 (filter\$3 substrat\$3)
85	BRS	1	"6583934".pn.
86	BRS	1	S99 and (gratin\$2 extern\$5 locat\$5 position\$5)
87	BRS	1	S99 and gratin\$2 near12 (extern\$5 locat\$5 position\$5)
88	BRS	0	S99 and gating\$2 near5 (filter\$3 substrat\$3)
89	BRS	1	S99 and (extern\$5 locat\$5 position\$5) same grating\$1 and (extern\$5 locat\$5 position\$5)
90	BRS	0	S97 and (demultiplex\$5 same (modl\$4 integrat\$5))

	DBs	Time Stamp
80	US-PGPUB; USPAT; USOCR; EPO; JPO	2006/06/01 13:42
81	US-PGPUB; USPAT	2006/06/01 13:42
82	US-PGPUB; USPAT	2006/11/22 15:48
83	US-PGPUB; USPAT	2006/11/22 15:48
84	US-PGPUB; USPAT	2006/11/22 16:40
85	US-PGPUB; USPAT	2006/11/22 15:53
86	US-PGPUB; USPAT	2006/11/22 16:01
87	US-PGPUB; USPAT	2006/11/22 16:02
88	US-PGPUB; USPAT	2006/11/22 16:16
89	US-PGPUB; USPAT	2006/11/22 16:15
90	US-PGPUB; USPAT	2006/11/22 16:41

	Type	Hits	Search Text
91	BRS	0	S97 and (demultiplex\$5 same (singl grating\$2 mod1\$4 integrat\$5))
92	BRS	1	S97 and (demultiplex\$5 same (single grating\$2 mod1\$4 integrat\$5))

	<b>DBs</b>	<b>Time Stamp</b>
<b>91</b>	US-PGPUB; USPAT	2006/11/22 16:41
<b>92</b>	US-PGPUB; USPAT	2006/11/22 16:42